

KINGSWOOD URBAN DISTRICT COUNCIL.

ANNUAL REPORTS

of the

MEDICAL OFFICER OF HEALTH

and

SANITARY INSPECTOR,

for the

YEAR ENDING DECEMBER 31st 1919.

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT

1955

THEORY OF THE ELECTROLYTIC DEPOSITION OF METALS

BY J. H. VAN VLECK

AND

W. H. FLEMING

RECEIVED

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THE UNIVERSITY OF CHICAGO

CHICAGO, ILLINOIS

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ANNUAL REPORT of the MEDICAL OFFICER OF HEALTH of
KINGSWOOD URBAN DISTRICT COUNCIL on the SANITARY STATE of
the DISTRICT for the YEAR ending DECEMBER 31st, 1919.

Gentlemen,

I have the honour to submit my Annual Report for the year 1919.

The health of the district was satisfactory during the year, although the influenza epidemic of 1918 continued during the 1st quarter of 1919.

There was no epidemic of any other infectious disease.

The rainfall was exceptionally small for the 6 months from May; only half the normal amount fell, consequently there was a difficulty in keeping the higher portions of the district supplied with water.

NOTIFIABLE DISEASES. There were 90 cases in all, which included all varieties of tuberculosis 29 cases
Measles 36 "
Scarlet Fever 12 "
Diphtheria 9 "
Erysipelas 2 "
Ophthalmia
Neonatorum 2 "

INFLUENZA. There were 9 deaths. This is a marked improvement on last year, when 35 were registered.

The epidemic of 1918 was continued during the first four months of the year, but was not so severe.

ERYSIPELAS. No deaths; two cases.

OPHTHALMIA NEONATORUM. There were 2 cases, both of which were sent to the Children's Hospital for treatment and made a satisfactory recovery, owing to the fact that they were diagnosed early. There is no disease which requires such careful attention and it is very seldom cases can be treated successfully at home for this reason.

DIPHTHERIA. No deaths. 9 cases. Three cases were removed to Isolation Hospital owing to lack of accommodation at home for isolation.

SCARLET FEVER. 12 cases. 3 cases were sent to the Infectious Hospital at Mangotsfield, as they could not be isolated at home. It is very difficult to isolate these cases, as there are many houses in which two families live.

MEASLES. 36 cases were notified against the 429 cases notified in 1918.

I am pleased to state there were no fatalities from this disease.

WHOOPIING-COUGH. 1 death in a child under 5 years of age.

TUBERCULOSIS. During the year there were 29 cases notified, 21 being Pulmonary and 8 other varieties.

There were 16 deaths; 12 from the Pulmonary and 4 from the other varieties, including one case of Meningeal tuberculosis.

Of the 29 cases reported - 16 were Females, 13 were Males.

Their occupations were as stated below :-

Discharged soldiers	...	5
Boot Workers	...	4
Household duties with no occupation	...	9
Labourers	...	2
Corset Worker	...	1
Box maker	...	1
Tailoress	...	2
Domestic Servants	...	2
Wood-cutter	...	1
Clerk	...	1
Dispenser	...	<u>1</u>
Total		<u>29</u>

BRONCHITIS. There were 15 deaths attributable to this disease. Last year only 9 were recorded.

PNEUMONIA. 16 deaths.

CARDIAC DISEASES. 18 deaths were recorded. 26 deaths were registered in previous year.

CANCER. 11 deaths from this disease, being the same number as last year.

WATER SUPPLY. For weeks in the autumn there was considerable reduction in the supply of water, especially about the end of September. This was due to the phenomenally small rainfall during the previous 6 months, which was only about one-half the normal rainfall. This caused an increased strain on the pumping machinery, resulting in frequent breakdowns, with consequently further lessening of the supply. The inadequacy of the supply was felt most in the more elevated areas of the district, causing great inconvenience.

SEWAGE DISPOSAL. No extension to that at present existing.

8 more houses have been connected up.

HOUSING. The housing problem remains with us, but in a more acute form than ever. Fortunately there has been no epidemic, otherwise the overcrowded conditions existing in many houses would have undoubtedly proved a very fertile ground for the spread of disease.

I trust something will be done as expeditiously as possible to lessen this very grave condition, which in the event of any outbreak of infectious disease must tend to increase the mortality.

I must again draw your attention to the urgent need for a mortuary in the district. It has been mentioned by the medical men in the district that they may refuse to make post-mortems under the present conditions. The houses are overcrowded, two families living in most of the small ones, and it is impossible to have the necessary privacy or accommodation essential to work of this kind. It causes a great deal of unnecessary suffering to the relations in the homes where such work has to be done. The expense would not be great and I repeat that the matter should be dealt with and not shelved any longer.

INFANT WELFARE CENTRE and SCHOOL FOR MOTHERS. This work continues to make good progress. Attendances are increasing and satisfactory. The women appreciate the help given in the various classes. Vicol, Glaxo and Sugar are sold to the mothers at the lowest possible prices, and is of material assistance in the rearing of the more delicate infants.

The centre is now temporarily held at the Wesleyan Schoolroom; though not ideal premises, there is more accommodation and the work is not so difficult for the helpers.

HEALTH VISITORS. I am glad to say we have a whole-time health visitor in the district: she began her work in January 1920. The work has been totally neglected for so long, that it is very uphill work at the present time. But it is beginning to get into order, so we may hope for a great improvement by the end of the year.

INFANTILE MORTALITY. 12 cases were registered of infants under one year; this gives a rate of 5.74 per 1000 births registered.

Last year there were 15 deaths.

Deaths under 1 month	4
Deaths 1 - 6 months old		...	6
Deaths 6 - 12 months old		...	<u>2</u>

Total 12

Pneumonia and Bronchitis accounted for 3 deaths, Premature Birth.

BIRTHS. The total number of births registered during the year was 209 -

Males 111 Females 98.

Calculating the population as 15,835, this gives a birth-rate of 13.1 per 1,000.

There were 5 illegitimate Births - 2 Males, 3 Females.

MORTALITY. The total number of deaths registered in the district was 124, giving a death-rate of 8.1 per 1000, calculating the population at 15,201. To this is added 31 Transferable on persons belonging to the district who died in Hospital or other institutions outside the district. This total gives a death rate for the district for the year of 10.1 per 1,000.

I beg, Gentlemen, to remain,
Your obedient Servant,
C. J. PERROTT.

CAUSES of DEATH and AGES at DEATH.

Name of disease etc.	At all ages	Under 1 yr.	1-2 yrs	2-5 yrs	5-15 yrs.	15- 25 yrs	25- 45 yrs	45 - 65 yrs.	65 yrs and over.
Enteric Fever	-	-	-	-	-	-	-	-	-
Small Pox	-	-	-	-	-	-	-	-	-
Measles	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	-	-	-	-	-	-	-	-
Whooping Cough	1	-	-	1	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-
Influenza	9	-	-	2	-	1	4	2	-
Erysipelas	-	-	-	-	-	-	-	-	-
Tuberculosis									
Pulmonary	12	-	-	-	1	1	7	3	-
Other tubercular forms, t.b.									
Meningitis	4	-	-	-	4	-	-	-	-
Cancer	11	-	-	-	-	-	4	4	3
Rheumatic Fever	-	-	-	-	-	-	-	-	-
Meningitis	1	-	-	-	1	-	-	-	-
Heart disease	18	-	-	-	-	1	1	6	10
Bronchitis	15	1	-	1	-	-	1	2	10
Pneumonia	16	2	2	1	2	-	2	4	3
Other Respiratory disease	1	-	-	-	-	-	-	1	-
Infantile									
Diarrhoea	3	2	1	-	-	-	-	-	-
Appendicitis	-	-	-	-	-	-	-	-	-
Hepatic Cirrhosis	-	-	-	-	-	-	-	-	-
Nephritis	2	-	-	-	-	-	-	2	-
Puerperal Fever	-	-	-	-	-	-	-	-	-
Other puerperal disease	1	1	-	-	-	-	-	-	-
Congenital Disease debility etc.	6	6	-	-	-	-	-	-	-
Violent Deaths	4	-	1	-	-	1	-	2	-
Suicides	2	-	-	-	-	-	-	-	2
Other defined diseases	40	1	2	1	1	2	4	6	23
Diseases ill- defined or unknown	-	-	-	-	-	-	-	-	-
Cerebral Haemorrhage	10	-	-	-	-	-	2	3	5
	155	12	6	6	6	9	25	35	56

INFECTIOUS DISEASES.

	<u>No. of Cases</u> <u>notified.</u>	<u>No. of Cases</u> <u>moved to</u> <u>Hospital.</u>
Diphtheria	9	3
Erysipelas	2	-
Scarlet Fever	12	3
Enteric Fever	Nil	
Puerperal Fever	Nil	
Cerebro-Spinal Meningitis	Nil	
Acute Poliomyelitis	Nil	
Ophthalmia Neonatorum	2	
Pulmonary Tuberculosis	21	
Other forms of Tuberculosis	8	
Measles	36	
Other diseases	Nil	
	<hr/>	<hr/>
Total.	90	6
	<hr/>	<hr/>

DEATHS of INFANTS under 1 year of age.

Legitimate	12
Illegitimate	Nil
	<hr/>
	12
	<hr/>

FORM which Medical Officers of Health in the County of GLOUCESTER
are requested by the PUBLIC HEALTH and HOUSING COMMITTEE of
the COUNTY COUNCIL to fill up.

TABLE C.

KINGSWOOD URBAN DISTRICT.

Medical Officer of Health: C. J. PERROTT.
Qualifications: L.R.C.S.I., L.R.C.P.I.

Sanitary Inspector: H. GLYNN WARNE.

HOUSING.

Number of plans for new houses approved	5
Number of houses built	1

Housing, Town Planning, etc., Act, 1909 - Housing
(Inspection of District) Regulations, 1910:

Who is the Inspecting Officer designated
under Article ii? H. GLYNN WARNE.

What forms of records have been adopted?
For use in inspecting? Moore's Loose Leaf.
For permanent records? Do.
For presentation to the Council? Do.

Number of houses inspected	115
----------------------------	-----

Number of houses with defects for which notices were necessary	60
---	----

Number of houses for which notices were served :

Under Sec. 15, Housing, Town Planning, etc., Act, 1909	30
---	----

Number remedied	22
-----------------	----

Under other sections of Public Health Acts	25
--	----

Number remedied	21
-----------------	----

Number of houses unfit for habitation	18
---------------------------------------	----

Number made habitable without Closing Orders	11
--	----

Number of cases of overcrowding reported	8
--	---

Number abated	2
---------------	---

WATER SUPPLY.

Has there been any change in the existing sources of supply.	No
---	----

THE UNITED STATES OF AMERICA
DEPARTMENT OF JUSTICE
WASHINGTON, D. C.

IN RE: [Illegible]
[Illegible]

COMPLAINT OF [Illegible]
[Illegible]

VS. [Illegible]

FILE NO. [Illegible]

DATE OF FILING [Illegible]

FILED IN [Illegible]

BY [Illegible]

FOR [Illegible]

AT [Illegible]

IN [Illegible]

TO [Illegible]

FROM [Illegible]

BY [Illegible]

DATE [Illegible]

FILED [Illegible]

IN [Illegible]

BY [Illegible]

FOR [Illegible]

AT [Illegible]

IN [Illegible]

FILE NO. [Illegible]

DATE OF FILING [Illegible]

Has any application for a Loan been made? No.

Number of new connections with public supply 1

SEWERAGE and DRAINAGE.

Number of houses in each parish newly connected with sewers 8

Number of earth closets, pail closets, or improved privies constructed 2

Number of notices served to empty "Privy Vaults" 2

Number of privy vaults abolished 8

NUMBERS INSPECTED OF EACH OF THE FOLLOWING :

	<u>No. on</u> <u>Register</u>	<u>No.</u> <u>Inspected</u>	<u>Total No.</u> <u>of In-</u> <u>spections</u>
Slaughter Houses	13	13	127
Bakehouses	26	26	140
Dairies, Cowsheds, Milkshops	29	29	231
Workshops	460	370	389
Residences of out-workers }			

GENERAL.

Number of complaints received 5

Number of nuisances reported to District Council -
 {1} Total 23
 {2} Swine 1

Total number of nuisances abated 27

Total number of preliminary notices served 16

Total number of Statutory notices served 4

INFECTIOUS DISEASES.

Number of cases visited and reported on : } 36
 (not including Measles or Tuberculosis) }

Number of houses in which cases occurred 36

Number of houses disinfected 37

Methods of disinfection used Spraying.

WHAT ARE THE CHIEF SANITARY REQUIREMENTS OF THE
DISTRICT : Mortuary.

(Signed) C. J. PERROTT,
 Medical Officer of Health.

See and application for a loan from the
 Government of the United States with public supply

REMARKS AND FINDINGS

Number of cases in 1900 during which occurred
 this disease
 Number of cases of this disease, all cases, in
 1900 during which occurred
 Number of deaths during the year 1900
 Number of deaths during the year 1900

REMARKS CONCERNING THE CASE OF THE PATIENT

Number of cases in 1900	Number of cases in 1900	Number of cases in 1900	Number of cases in 1900
100	100	100	100
100	100	100	100
100	100	100	100
100	100	100	100

REMARKS

Number of cases in 1900 during which occurred
 this disease
 Number of cases of this disease, all cases, in
 1900 during which occurred
 Number of deaths during the year 1900
 Number of deaths during the year 1900

REMARKS CONCERNING THE CASE OF THE PATIENT

Number of cases in 1900	Number of cases in 1900	Number of cases in 1900	Number of cases in 1900
100	100	100	100
100	100	100	100
100	100	100	100
100	100	100	100

(Signed) J. J. KENNEDY
 Medical Officer of Health

RAINFALL 1919.

RAIN GAUGE fixed at HOPEWELL HILL.

Diameter of Funnel 5", height of top above ground 10",
Above sea level 373 ft.

Month.	Total depth. Inches.	Greatest fall in 24 hours.		No. of days on which more than .01 fell.
		Inches	Date	
January	4.67	.67	14th	22
February	2.61	.75	16th	11
March	5.48	1.09	19th	18
April	2.32	.91	14th	14
May	.35	.71	7th	6
June	1.26	.67	18th	9
July	3.50	.84	17th	12
August	2.57	.97	25th	10
September	1.45	2.00	11th	10
October	2.32	.49	7th	8
November	1.69	.76	4th	15
December	5.56	.70	13th	27
Total	33.78			162

Average rainfall for last 33 years 33.04.

RAILROAD 1910

RAILROAD 1910

RAILROAD 1910

Month	Total days	Days of rain	Days of snow
January	31	10	10
February	28	10	10
March	31	10	10
April	30	10	10
May	31	10	10
June	30	10	10
July	31	10	10
August	31	10	10
September	30	10	10
October	31	10	10
November	30	10	10
December	31	10	10
Total	365	108	108

RAILROAD 1910

KINGSWOOD URBAN DISTRICT COUNCIL.

REPORT of INSPECTOR of NUISANCES for Year 1919.

Gentlemen,

I have the honour to present my report for the year 1919.

INFECTIOUS DISEASES.

Diphtheria	...	9	Increase on 1918	2
Erysipelas	...	2	" "	2
Scarlet Fever	...	12	" "	8
Ophthalmia Neonatorum		2	" "	2
Pulmonary Tuberculosis		21	" "	4
Other Forms of Tuberculosis		8	" "	5
Measles	...	<u>36</u>	Decrease "	393
		90		
		<u>==</u>		

Six cases, 3 of Scarlet Fever and 3 of Diphtheria, were removed to the hospital during the year.

HOUSING and DRAINAGE.

During the year 115 House Inspections were made; 60 required notices.

It is extremely difficult to get repairs executed on account of the cost of materials and labour, and the scarcity of skilled workers.

During the year plans were submitted for 5 houses, but one only was built.

The number of houses newly connected to the sewers was 8. An extension of the sewer was made in High Street.

WATER SUPPLY.

In a small number of cases the water supply is obtained from wells, springs, and old mine levels, but generally the district is supplied by the West Gloucestershire Water Company.

MEAT and FOOD.

Slaughterhouses generally are kept clean and in good condition, but they fall below the modern standard in construction.

Meat has been condemned in three cases.

WORKSHOPS and FACTORIES.

The Sanitary arrangements in the Factories and Workshops

have been fairly well kept, and defects in cleanliness or apparatus have been remedied immediately on notification.

Owing to the high cost of materials, and the overcrowding - which owing to the lack of houses cannot be remedied - the work of Inspecting has been carried on at a great disadvantage.

I am, Gentlemen,

Your obedient Servant,

H. GLYNN WARNE.

